



Pro-Pak Kits

OUTDOOR HOUSINGS WITH PRE-INSTALLED CAMERAS



Housings are pre-assembled
with a variety of camera & lens
options including **Day/Night** models

- Compact, attractive design for indoor or outdoor use
- Slide-off cover provides full accessibility to camera for quick installation and service
- Available with or without heater
- Optional sunshield, ceiling, and pole mount
- Rugged aluminum housing suitable for all weather conditions



CBC (AMERICA) Corp.

NY: 1-800-422-6707

CA: 1-800-888-0131

www.computarganz.com

housing features

CBC's line of outdoor housings provide an attractive, compact solution for indoor or outdoor camera installations. The housing design incorporates a unique slide-off feature allowing full accessibility to the camera and lens even after installation. In addition, both wall and ceiling brackets offer feed-through wiring that fully conceals all cabling. The housings are available with an optional heater, and a sunshield is available for high temperature environments.

Compact housing (only 11" long) accommodates all GANZ FC/YC/ZC-NH cameras with any Computar varifocal lens, including the 5-50mm

Optional heater maintains proper temperatures and minimizes fogging and humidity

Swivel mount can be tilted down a full 90°

IRL Series Illuminator (shown with IR-PB mounting bracket) enhances day/night vision capabilities

Pre-installed, outdoor-rated power and video cable included with Pro-Pak Kits

Feed-through wall (or ceiling) bracket conceals cables for a clean, professional appearance



Optional sunshield (Model SS-1) for high temperature environments

Optional ceiling bracket (Model JB1)

Optional pole-mount adapter (Model PMA-1)

MODELS

HWB1	Housing w/Wall Bracket
HWB2	Housing w/Heater and Wall Bracket
H1	Housing
H2	Housing w/Heater

ACCESSORIES

WB1	Wall Bracket
JB1	Ceiling 'J' Bracket
SS1	Sunshield
PMA1	Pole mount adapter

pro-pak kits

Housings with Pre-assembled Camera & Lens Packages

Pro-Pak Kits can be ordered with a variety of Black & White, Color, and Day/Night cameras with manual or auto-iris varifocal lenses. All lenses are back-focused and each kit includes 5' of outdoor-rated power and video cable.

Day/Night Camera Options

Standard Camera Options



Manual and Auto-Iris Lens Options



2.9-8.2mm
1/3" CS-MT
F1.0



2.8-12mm
1/3" CS-MT
F1.3



3.5-10.5mm
1/3" CS-MT
F1.0



8.5-40mm
1/3" CS-MT
F1.3



5-50mm
1/3" CS-MT
F1.3

Model Number Selection

Selecting the right Pro-Pak Kit for your application can be done in three easy steps. A single part number now provides you with the time-saving, installation-ready package of your choice.

Step 1. Choose your housing		Step 2. Choose your lens		Step 3. Choose your camera	
Model	Description	Model	Description	Model	Description
HWB1:	Housing with Wall Bracket	29M:	2.9-8.2mm F1.0 Manual Iris	2:	FC-62D B/W 380 TVL
HWB2:	Housing with Wall Bracket and Heater	29A:	2.9-8.2mm F1.0 DC Auto Iris	3:	FCH-62 Hi-Res B/W 570 TVL
HJB1:	Housing with Ceiling Bracket	29RA:	2.9-8.2mm F1.0 DC Auto Iris IR	5:	YC-02C Color 330 TVL
HJB2:	Housing with Ceiling Bracket and Heater	281M:	2.8-12mm F1.3 Manual Iris	9:	ZC-NH405N Super Hi-Res Color 540 TVL Day/Night Full-Featured Camera
		281A:	2.8-12mm F1.3 DC Auto Iris	11:	ZC-NH258N Super Hi-Res Color 540 TVL Day/Night Camera
		28RA:	2.8-12mm F1.3 DC Auto Iris IR	15:	YCH-03A Super Hi-Res Color 540 TVL Digital Day/Night Camera
		310M:	3.5-10.5mm F1.0 Manual Iris		Call for additional camera options
		310A:	3.5-10.5mm F1.0 DC Auto Iris		
		31RA:	3.5-10.5mm F1.0 DC Auto Iris IR		
		84A:	8.5-40mm F1.3 DC Auto Iris IR		
		5M:	5-50mm F1.3 Manual Iris		
		5A:	5-50mm F1.3 DC Auto Iris		

Housing

Lens


Camera

Model Number Example: HWB2-29A 15

Housing with Wall Bracket and Heater, 2.9-8.2mm DC Auto Iris Lens with YCH-03A Hi-Res Color Camera

specifications

Housing Specifications

HOUSING	DESCRIPTION
HEATER POWER SUPPLY	Requires 24VAC 15 watt power input (HWB-2 or H-2 models only)
CAMERA POWER SUPPLY	Use only 24VAC cameras with HWB-2, H-2, HWB-3 models
MAXIMUM CAMERA AND LENS SIZE	2.68" (W) x 2.1" (H) x 7.75" (L) 68 (W) x 54 (H) x 197 (L) mm
CABLE ENTRY	Two liquid tight rear fittings accept cable diameters from 4.3mm to 11.9mm. Two bottom feed-through liquid tight fittings accept cable diameters from 4.6mm to 7.9mm
WINDOW	3mm (0.12") thick UV stabilized polycarbonate
HOUSING MOUNTING	Four available 1/4 -20 tapped holes. Only one set of two are required for mounting.
CAMERA MOUNTING	Removable camera bracket. Mounted with two screws.
CONSTRUCTION	Aluminum cover, aluminum base, aluminum mounting foot, polycarbonate faceplate, glass reinforced polycarbonate end caps, neoprene gasket, ethylene propylene seal, and all stainless steel hardware.
FINISH	Off white
DIMENSIONS	3.75" (Dia) x 10.9" (L) 96mm (Dia) x 277mm (L)
WEIGHT	3 lbs./ 1.4kg
INTERNAL TEMPERATURE (WITH HEATER)	At external temperatures of -40° F to +122° F (-40° C to +50° C) Maintains internal temperatures between -4° F and +131° F (-20° C and +55° C) with heater.
SALT ATMOSPHERE	MIL-STD-810E, method 509, procedure I.
ENCLOSURE PROTECTION	Designed to NEMA-3R, IP55
SAFETY COMPLIANCE	CE, UL, cUL
ACCESSORIES	Sunshield (SS-1): Provides protection from the direct rays of sun and promotes cooling to reduce internal housing temperatures in hot climates. Wall bracket (WB-1): Attached to the foot of the housing allows wires to be fed-through the mount and into the foot of the housing (wall bracket is included with HWB-1 and HWB-2). Ceiling 'J' bracket (JB-1): Allows housing to be mounted from ceiling and allows wires to be fed-through the mount and into the foot of the housing. Pole Mount Adapter (PMA-1): Includes bracket and stainless steel straps for mounting to poles from 3" to 15" in diameter.
CUSTOM PRO-PAK KITS	Call for custom lens and camera combinations.
OPTIONAL HOUSING	 MODEL HWB-3 Includes heater and blower and accommodates camera/lens combinations up to 9" long. Maximum camera and lens size 2.8" x 2.8" x 9.0" (W x H x L), call for details.



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ZC-D4000 Series

540 TVL DAY/NIGHT DOMES



- 540 TVL Super High Resolution
- 3-9mm **computar**® F1.2 Varifocal Auto Iris Lens
- True Day/Night, Digital Day/Night, & WDR Models
- 12VDC or 24VAC Operation, Auto-sensing
- Full Range of Indoor & Outdoor Mounting Options



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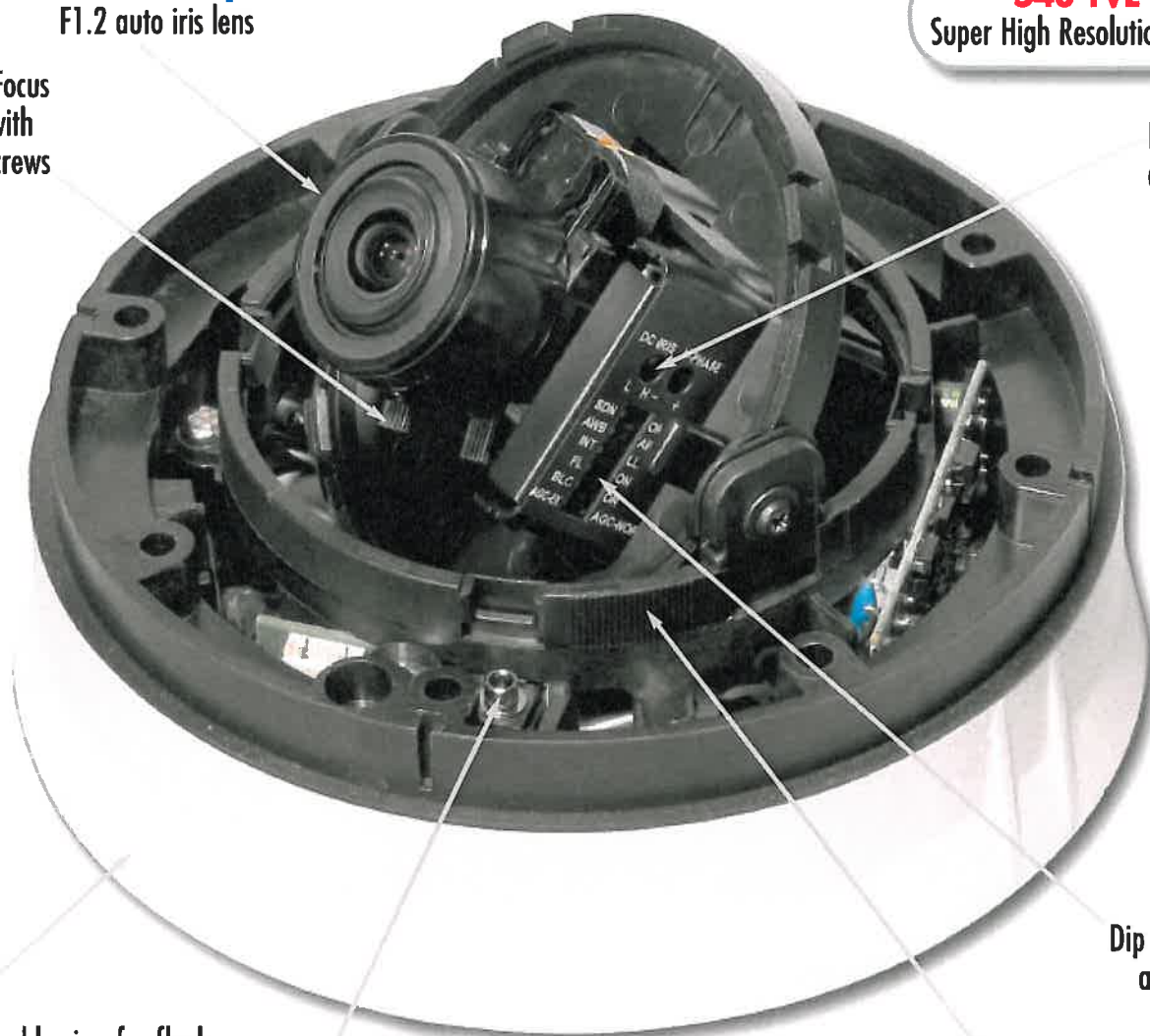
DOME FEATURES

3-9mm **computar®**
F1.2 auto iris lens

540 TVL
Super High Resolution CCD

Zoom & Focus
controls with
locking screws

DC iris level
adjustment



Removable ring for flush
mount installations

Service monitor
cable connection

Outdoor Model Shown

Dip switch setting
adjustments

Proprietary 3-axis Pan/Tilt
Rotation mechanism



Optional 5 foot service monitor
cable for ZC-D4000 Series
domes - Model No. ZCA-SM400

GANZ 
ZC-D4000 Series

MOUNTING OPTIONS

Indoor



SURFACE MOUNT
Standard



FLUSH MOUNT
Model No.
ZC-FM2



PENDANT MOUNT
ZC4-PM1
3/4" NPT pipe attaches directly to the camera base



WALL MOUNT
Model No.
ZC4-WM1

Outdoor/Impact-Resistant



SURFACE MOUNT
Standard



FLUSH MOUNT
Standard



PENDANT MOUNT
Model No.
ZC4-PM2



WALL MOUNT
Accessory Model No.
ZC4-WM2

The GANZ® ZC-D4000 Series domes offer full-featured performance at an economical price for indoor and outdoor installations. Both models include Digital Day/Night, True Day/Night, and Wide Dynamic Range options. Interior and exterior mounting options include flush mount, pendant mount and wall mount.

Accessories

ZC-FM2	Flush Mount Kit
ZC4-PM1	Pendant Mount Adapter; Mounts to Dome Base & uses 1" NPT Pipe
ZC4-WM1	Wall Mount Bracket
ZCA-DCS40	Tinted Dome Cover Conceals Lens for Discrete Applications (indoor only)
ZC4-PM2	Pendant Mount Adapter Mounts to the Outdoor Housing Base & Accepts 3/4" Standard Pipe
ZC4-WM2	Outdoor Wall Mount - includes ZC4-PM2 Pendant Mount and Wall Bracket

Product specifications are subject to change without prior notice.

SPECIFICATIONS

	DIGITAL DAY/NIGHT	TRUE DAY/NIGHT	WIDE DYNAMIC RANGE	OUTDOOR DIGITAL DAY/NIGHT	OUTDOOR TRUE DAY/NIGHT	OUTDOOR WIDE DYNAMIC RANGE
MODELS	ZC-D4039NHA	ZC-DN4039NHA	ZC-DW4039NHA	ZC-DT4039NHA	ZC-DNT4039NHA	ZC-DWT4039NHA
RESOLUTION (HORIZ.)	540 TVL		520 TVL	540 TVL		520 TVL
TV SYSTEM	NTSC					
SCANNING ELEMENT	2:1 Interlace, H15.750 KHz/V:59.94 Hz		-	2:1 Interlace, H15.750 KHz/V:59.94 Hz		-
IMAGE SENSOR	1/3" Interline CCD		1/3" Pixim Sensor	1/3" Interline CCD		1/3" Pixim Sensor
EFFECTIVE PICTURE ELEMENT	768(H) x 494(V)		720(H) x 540(V)	768(H) x 494(V)		720(H) x 540(V)
APPROXIMATE PIXELS	380 K					
MIN. ILLUMINATION	1.0 lux @ F1.2	0.08 lux @ F1.4	1.3 lux @ F1.2	1.0 lux @ F1.2	0.08 lux @ F1.4	1.3 lux @ F1.2
S/N RATIO	50 db		>42 db	50 db		>42 db
WIDE DYNAMIC RANGE	-		120 db/ 17 bit	-		120 db/ 17 bit
WIDE DYNAMIC RANGE AREA	-		1 Zone - Fully Adjustable	-		1 Zone - Fully Adjustable
FRAME INTEGRATION	-		Default 2x, max 32x	-		Default 2x, max 32x
ELECTRONIC SHUTTER	-		1/50 or 1/60-1/100000	-		1/50 or 1/60-1/100000
DAY/NIGHT	Digital D/N	True D/N	Digital D/N	Digital D/N	True D/N	Digital D/N
BACK LIGHT COMPENSATION	Central area for auto iris		-	Central area for auto iris		-
EXPOSURE CONTROL	DC Auto Iris Drive					
SYNC SYSTEM	Internal/Line Lock					
VIDEO OUTPUT	1.0 Vpp, 75Ω Unbalanced					
WHITE BALANCE	Automatic White Balance		ATW, MWB, 1-Touch	Automatic White Balance		ATW, MWB, 1-Touch
POWER RANGE	AC: 24V AC ± 20% or DC: 12V DC -10% +20%					
POWER CONSUMPTION	4W	4.3W	2.8W	4W	4.3W	2.8W
OPERATING TEMPERATURE	10° F to 122° F			-10° F to 122° F		
STORAGE TEMPERATURE	-30° F to 140° F					
EXTERNAL DIMENSIONS	4.7" (Dia) x 3.9" (H)			5.5" (Dia) x 3.9" (H)		
WEIGHT	350g / .77 lbs	300g / .66 lbs		600g / 1.3 lbs		

LENS SPECIFICATIONS

LENS FOCAL LENGTH	3-9mm					
MAX. APERTURE	F1.2	F1.4	F1.2	F1.2	F1.4	F1.2
IRIS RANGE	F1.2 ~ F360	F1.4 ~ F360	F1.2 ~ F360	F1.2 ~ F360	F1.4 ~ F360	F1.2 ~ F360
MINIMUM FOCUSING DISTANCE	0.5 m/19"					
ANGLE OF VIEW (H)	90.0° ~ 31.8°					
(V)	66.2° ~ 23.9°					
LENS TYPE	Varifocal					

NOTE: Specifications are subject to change without notice



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ZC-DT2312NHA-IR

OUTDOOR VANDAL PROOF DAY/NIGHT IR DOME

- 3.3-12mm **computar**® IR Coated Auto-iris Varifocal Lens
- Light Activated Photocell Turns on IR Lights at Night
- 18 IR LEDS Provide over 50' Illumination Range
- High Resolution 480 TVL
- Single Model for Surface or Flush Mounting
- Manual Pan / Tilt Rotation Mechanism
- 12VDC / 24VAC Dual Voltage (Auto-sensing)
- Optional Service Monitor Cable (ZCA-SM200)
- IP 66 Rating for all Weather Conditions



PENDANT MOUNT
Accessory Model No.
ZC4-PM2



WALL MOUNT
Accessory Model No.
ZC4-WM2

SPECIFICATIONS

MODEL	ZC-DT2312NHA-IR
PICK UP ELEMENT	1/3" Super HAD CCD
NUMBER OF PIXELS	768(H)x494(V) (NTSC)
RESOLUTION (HORIZONTAL)	480 TVL
MIN. ILLUMINATION	0.1 Lux / F1.4; 0.00 Lux (IR ON)
S/N RATIO	More than 50dB
GAMMA CORRECTION	0.45
WHITE BALANCE	ATW
AGC	Yes
STANDARD BOARD LENS	f3.3-12mm / F1.4 Auto-iris
LENS ANGLE	89.8°-23.9° (H)
VIDEO OUTPUT	1.0 Vp-p Composite, 75 OHMS
SYNC. SYSTEM	Internal Only
POWER SOURCE	12VDC or 24VAC \pm 10%
POWER CONSUMPTION	5.5W (12VDC) or 5.5W/400mA (24VAC)
OPERATIONAL TEMPERATURE	-10° to 122° F
WATER RESISTANCE	IP 66
IR LED	18 units IR LED
EFFECTIVE RANGE	Over 50 feet
DIMENSIONS	4.72" (Dia) x 4.25" (H)
GROSS WEIGHT	1.6lbs./ 750g



IR CAMERAS



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IRL Series

I N F R A R E D L E D I L L U M I N A T O R S



**0 LUX
VISIBILITY
UP TO
100'**

F E A T U R E S

IRL Series illuminators provide short to medium range IR lighting in 30 or 60 degree beam angles. Lights are available with a standard U bracket or a custom flat bracket for mounting with Propak housing kits. Weatherproof housing includes photocell with sensitivity control and convenient 24VAC power input.

- 60 high efficiency LEDs provide up to 100 foot illumination range
- 850 nm output for semi-covert operation
- 24vac power input ideal for use with day/night cameras
- 30° and 60° beam angles



**IR ILLUMINATOR AND BRACKET
WITH PROPAK HOUSING**

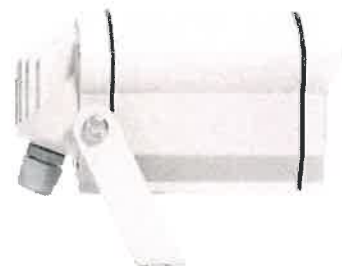


IR ILLUMINATORS

MODELS

IRL-83	850 nm, 30° beam
IRL-86	850 nm, 60° beam
IRL-UB	Standard U bracket
IRL-PB	Propak housing bracket

IRL Series



SIDE PANEL VIEW

THE INFRARED DIFFERENCE

See for Yourself

Near right, a construction site photographed at night using conventional surveillance equipment. Far right, the same site photographed using Infrared illumination enhancement.



WITHOUT IR ILLUMINATION



WITH IR ILLUMINATION

SPECIFICATIONS

NUMBER OF LEDS	60
OPERATIONAL RANGE	-50°C to +60°C (-58°F to +140°F)
CERTIFICATION	NEMA 4X / IP66
VOLTAGE	24 VAC
POWER CONSUMPTION	10 Watts
POWER SETTINGS	High – Medium – Low Settings
CABLING	Supplied with 6.6 ft. (2.0 m) connecting lead
HOUSING	Extruded and cast aluminum
U-BRACKET	Aluminum top or bottom mount
FINISH	Baked enamel
COLOR	Off White
DIMENSIONS	89 mm [H] x 91mm [W] x 150 mm [L] 3.5" [H] x 3.6" [W] x 5.9" [L]
WEIGHT	0.8 kg or 1.8 lbs.

CVEXPRESS01

CloseView Express Single Channel Rack

CloseView®, designed by the computer vision experts at DynaPel allows attended and unattended operations to capture Identification Video of the action in the scene.

It watches the wide-angle video, just like an electronic security guard. When there is detected motion in the field of view, it automatically directs your PTZ camera to zoom in and look at the "activity". In fact CloseView® can identify multiple targets and sequentially move from target to target. In addition the CloseView® unit deploys an alarm output to trigger recording, so faces and car licenses are clearly, sharply recorded with your video recording system for review and action.



Based on DynaPel Advanced Video Algorithms and Motion Tracking Technologies, CloseView is a real-time video surveillance unit because it enables surveillance systems to catch identifiable video.

- * Compatible with NTSC/PAL color, B/W and IR analog cameras
- * New Installations and Retro-fit Market
- * Supports leading PTZ camera models
- * Easy Setup Wizard featuring On-screen Setup and Programming
- * Activity Alarm Outputs to Trigger Enhanced System Activity

Features

- 1 channel CloseView Express: 1 x (1 reference cameras)
- Full Unmanned PTZ Control
- Multiple Target Tracking
- Scheduling of Auto Control
- User Definable Exclusion Zones
- User Definable Priority Zones
- Joystick Control Override
- 1:1 Reference Camera / PTZ camera
- Built-in Webserver for easy firmware update and system fine tuning

System Layout



Supported Cameras and Protocols

DynaPel EyeMax2	DynaPel D
DynaPel Interceptor	DynaPel D
PELCO Spectra III/IV series	Pelco Extended D-Protocol
And many more	Please contact DynaPel for a complete list

Dimensions and Mechanics

Height	1 Unit (44 mm)
Width	19" (43 cm)
Length	11" (28 cm)
Weight	4.8 lbs (2.2 kg)

Operating Conditions

Temperature	30 - 104deg. F / (0 - 40deg. C)
Humidity	20 - 95%, non-condensing

Electrical

Power supply	100-240 VAC, 50/60 Hz, 0.25-0.15 A
Power Consumption	approx. 25W
EMC Compliance	FCC part 15B class A
	EN55022 class A
	EN61000-3-2
	EN61000-3-3
	EN61000-6-2

INT-standard-26

Interceptor Dome camera, white, 26x Zoom, wall mount



Interceptor is our High Speed Dome with Sony Camera module. It is optimized for working together with our CloseView Automatic Object Tracker. It can also be used for standard CCTV installations, where just a PTZ camera is needed.

Features

- Maximized for use with DynaPel CloseView Automatic Object Tracker
- Stand-alone use
- Indoor/Outdoor use
- PAL/NTSC versions available
- Many RS422/485 Protocols available (DynaPel, Pelco and many more)
- Integrated Heater & Blower
- Quick Connect PTZ Module for Fast Installations
- Power Supply Included

PTZ camera features

Number of Presets	128
Number of Preset Tours	4
Number of Patterns	4
masking zones	24
Alarm Inputs	7
Alarm Outputs	2
Turning angles	360deg. Pan / 90deg. Tilt
Speed	Min. 0.4deg/sec; Max. 320deg/sec

PTZ camera module specs

Camera Module	Sony FCB-EX980
Image device	1/4 type EXview HAD CCD (day/night)
IR Cut Filter	yes
Lens	26x optical zoom, f=3.5 mm (Wide) to 91.0 mm (Tele), F1.6 to F3.8 (12x Digital Zoom)
Minimum Illumination	0.01/0 lx (typical) (50 IRE)
Horizontal Resolution	480TV lines

Environmental Specs

Temperature range	-40deg.C - 60 deg. C
Humidity	0-90% non-condensing
Air Pressure	86-106 kPa

Dimensions and Mechanics

Weight	3.85kg
Finish	Powder coated Aluminum
Protection	IP66 weather proof

Electrical specifications

Input Voltage	24VAC
Power consumption	50W
EMC Compliance	FCC part 15B class A EN55022 class A
Protection	TVS 1500W lightning proof, surge proof

How To Order

INT-G-0000-NO-26-CL-NO-N	26X PTZ,Clear Bubble,NTSC
INT-G-0000-NO-26-SM-NO-N	26X PTZ,Smoked Bubble,NTSC
INT-G-0000-NO-26-CL-NO-P	26X PTZ,Clear Bubble,PAL
INT-G-0000-NO-26-SM-NO-P	26X PTZ,Smoked Bubble,PAL
Other.configurations.needed ?	See Interceptor general Ordering scheme below or order needed items separately

To complete your Interceptor, please order separately

INTMB-CM	Pendant /Ceiling Mount Bracket
INTMB-OC	Corner Mount bracket
INTMB-PM	Pole Mount Bracket
INTMB-WM	Wall Mount Bracket
Power supply	already included



PP350/PP351/PP450/PP451 Mount

PARAPET, WALL/ROOFTOP MOUNT, SPECTRA®, DF5, AND DF8 DOMES

Product Features

- Easy to Install
- Aluminum Construction
- Maximum Load 45 Pounds (20.41 kg)
- For Use with Small and Medium Outdoor Pendant Mount Domes that Use 1.5-Inch NPT Pipe (Including Spectra®, DF5, and DF8 Series)
- PP350/PP450 Mounts to Inside or Outside of Parapet Wall; PP351/PP451 Mounts to Rooftop or Smooth Horizontal Surface
- Swivels for Easy Installation and Access to Dome
- Removable End Cap for Easy Access to Wiring



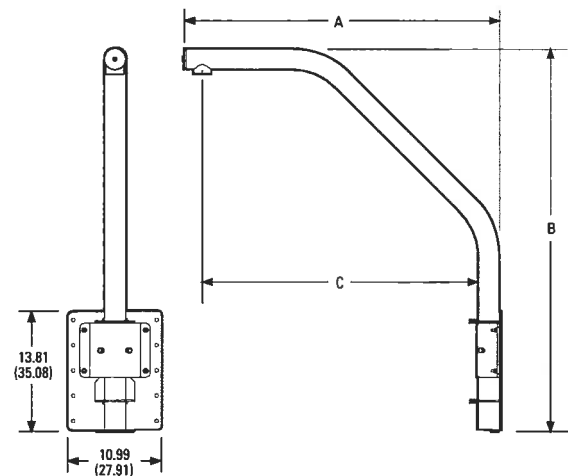
PP350 PARAPET WALL MOUNT

The **PP350** and **PP351** mounts were designed for outdoor use with small-size pendant domes (such as Spectra and DF5 Series), and the **PP450** and **PP451** are for outdoor use with medium-size pendant domes (such as DF8 Series). The **PP350** and **PP450** models mount to parapets, while the **PP351** and **PP451** models mount to rooftops or other smooth horizontal surfaces. All models accommodate domes that use 1.5-inch NPT pipe.

The **PP450** and **PP451** can be used in applications where mounting and height clearances of models **PP350** and **PP351** are inadequate. Models **PP450** and **PP451** are higher by 9.72 inches (24.69 cm) and the overhang is increased by 14.77 inches (37.52 cm).

The mounts are designed to swivel within available clearance limits, which adds to the flexibility, easy maintenance, and usability of the configuration.

Manufactured from aluminum, the mounts include indexing bolts to secure the arm in position.



	A	B	C
PP350	25.50 (64.77)	35.08 (89.10)	20.42 (51.87)
PP450	37.66 (95.65)	42.00 (106.68)	33.00 (83.82)

NOTE: VALUES IN PARENTHESES ARE CENTIMETERS; ALL OTHERS ARE INCHES.



C212 / REVISED 10-03



International Standards
Organization Registered Firm,
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS

MODELS

PP350	Parapet or vertical wall mount for small-size pendant domes; mounts to inside or outside of parapet
PP351	Rooftop or smooth horizontal surface mount for small-size pendant domes
PP450	Same as PP350 except overhead clearance and height accommodate medium-size pendant domes
PP451	Same as PP351 except overhead clearance and height accommodate medium-size pendant domes

MECHANICAL

Positioning Adjustment	360°
Mounting Method	Secure to mounting surface with 3/8-16 type fastening hardware (not supplied). Multiple fastening positions facilitate mounting flexibility. For models PP350 and PP450, mount using a minimum of six fasteners For models PP351 and PP451, mount using a minimum of eight fasteners
Dome Mounting	Dome screws directly into mount

GENERAL

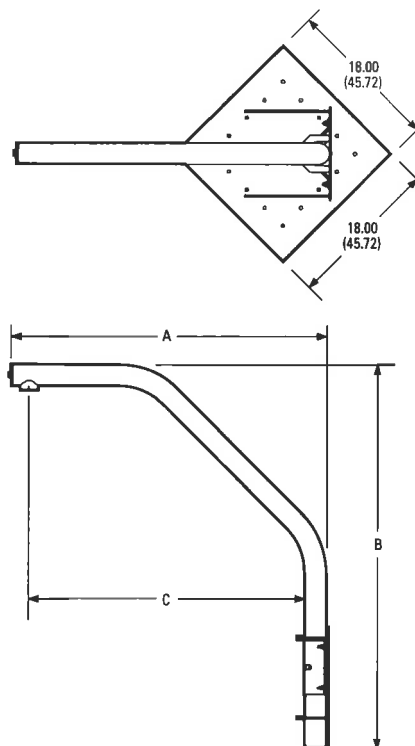
Maximum Load	45 lb (20.41 kg) approximate
Effective Projected Area (EPA)	
PP350/PP351	~133 square inches
PP450/PP451	~177 square inches
Construction	Aluminum
Finish	Gray polyester powder coat
Environment	Outdoor
Unit Weight	
PP350	9.30 lb (4.22 kg)
PP351	20.19 lb (9.16 kg)
PP450	10.38 lb (4.71 kg)
PP451	22.53 lb (10.22 kg)
Shipping Weight	
PP350	15 lb (6.80 kg)
PP351	33 lb (14.95 kg)
PP450	17 lb (7.70 kg)
PP451	35 lb (15.85 kg)

CERTIFICATIONS/RATINGS

- UL Listed (models PP350 and PP351)



PP351 PARAPET ROOFTOP MOUNT



	A	B	C
PP351	25.50 (64.77)	35.27 (89.59)	20.42 (51.87)
PP451	37.66 (95.65)	42.19 (107.16)	33.00 (83.82)

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ALL OTHERS ARE INCHES.



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DX8100 Series Digital Video Recorder

8/16/24/32 CAMERA INPUTS, 250 GB–3 TB STORAGE, ADVANCED SEARCH CAPABILITIES

Product Features

- Server Dual Display of as many as 72 Cameras Simultaneously
- Expanded ATM/POS Support for up to 16 ATM/POS Devices
- System Health Check Monitoring
- Windows® XP Embedded
- Optional MUX Card Output
- 2 Built-in Audio Channels
- Optional Layer 2 Multicasting for Web Browser Access
- 16-Channel Expansion Box Option
- Internal Storage Capacity to 3 TB
- Up to 704 x 480 Recording Resolution (4CIF)
- Third-Party Dome Support

The Choice for Professional Security. As your business becomes more diversified, you need a professional digital video recorder (DVR) that can grow with and stay a step ahead of your security requirements. Your security application might require more cameras or DVR software to provide more sophisticated operation and control features. **The DX8100 Series DVRs** bring a new and innovative hardware platform powered by unparalleled and unique high performance software.

The **DX8100** meets your security needs today and is expandable to meet your future requirements. When you need to quickly and easily add more security cameras, the DX8100-EXP 16-channel expansion unit extends the 8- or 16-channel unit to 24 or 32 channels. With or without the channel expansion unit, all of the cameras take advantage of the increased frame rate of 2CIF and 4CIF recording. The **DX8100** records video up to 480 images per second (ips) at a maximum CIF image size, and it can be configured to record individual or all cameras for continuous, motion detection, alarm, ATM/POS, and normal recording schedules. The **DX8100** can also be set to record at a higher recording rate upon alarm.

For DX8108 or DX8116 systems that require storage beyond the internal capacity of 3 TB, simply add our 2.25, 4.5, 6.75, or 9 TB external storage systems.

If your security application requires enhanced audio recording beyond the two standard audio channels, the optional audio cards provide one audio channel for each video channel. Optional audio cards disable the standard onboard audio channels.

With its 10/100/1000 megabit connection, the **DX8100** can operate as part of a network connecting up to five DX8100s and DX8000s. The remote client can be used to view live or recorded video from any camera connected to any DVR to which it has rights, configure and control pan/tilt/zoom (PTZ) cameras, and perform administrative



(MONITOR, DX8100-EXP, AND KBD300A KEYBOARD NOT INCLUDED.)

tasks with proper login rights. The **DX8100** remote client is included at no extra cost and may be installed at an unlimited number of client workstations

Innovative New Features and Functionality. Version 1.2 enhances **DX8100** usability for the ever-changing security environment. With the addition of a second VGA or composite monitor, the unique server dual display capability allows you to simultaneously view up to 72 cameras. Use the server configuration tool to simply drag and drop any camera from any networked **DX8100** server and configure a variety of display views. Different views are easily selected using the extended monitor toolbar. The system operator can now easily perform administrative functions on the primary monitor and view video from critical cameras displayed on the extended VGA monitor. An extended composite monitor can be placed away from the server, as a public view monitor or manager's viewing station, to view video from strategically placed cameras.

With expanded ATM/POS functionality, each **DX8100** can simultaneously record video and POS transactions for as many as 16 ATM/POS devices.

System health check monitoring provides a quick view of critical CPU components' operating status. It also displays an alert on the server when a component functions outside the operating limit, maximizing the functionality of the **DX8100** for your most critical video security needs.

These new feature innovations, coupled with a proven performance history, continue to make the **DX8100** "the professional's choice of DVR" for your security application.



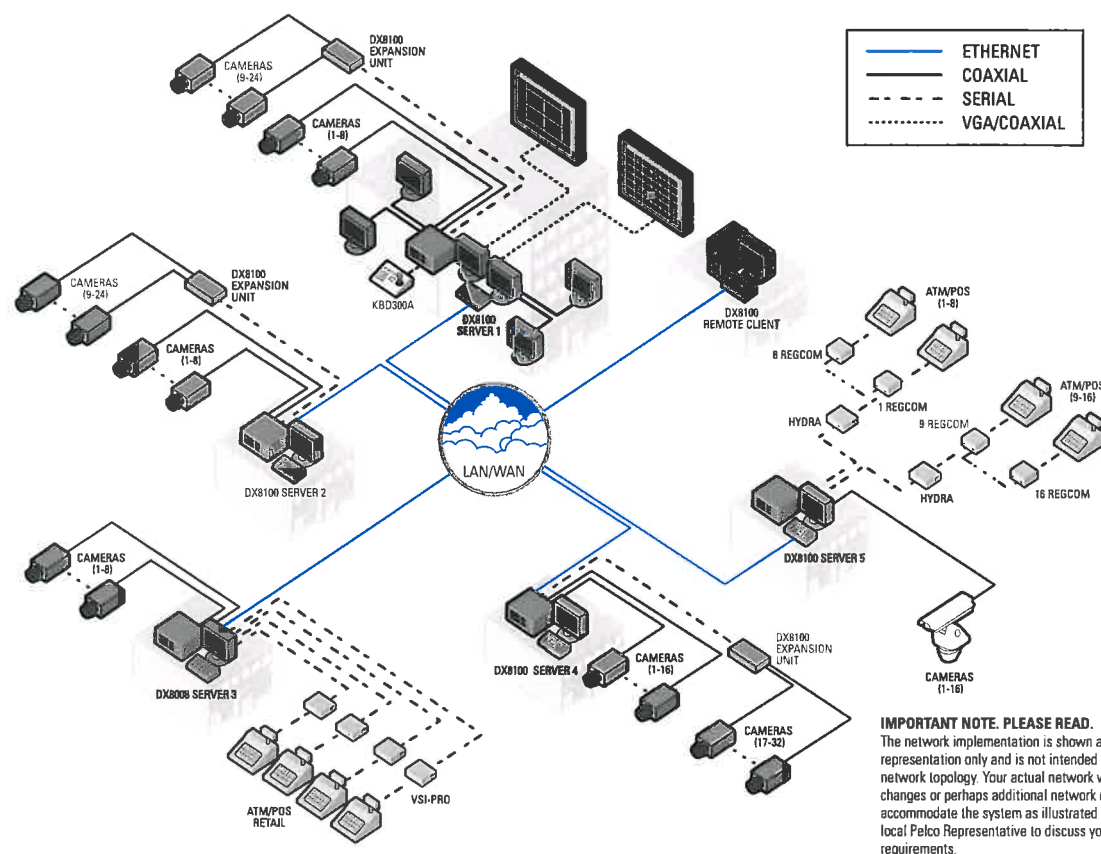
C2629 / REVISED 8-15-08



International Standards
Organization Registered Firm:
ISO 9001 Quality System



TECHNICAL SPECIFICATIONS



ADDITIONAL FEATURES

- Up to 32 Looping Video Channels
- Up to 480 ips Recording Rate at 320 x 240 Resolution (NTSC)
- Pelco-Engineered Compression Technology Offers High-Quality and Small File Sizes
- Dynamically Adjustable Frame Rate and Image Quality for Motion, Alarm, and Pre-Alarm Recording
- Individual Camera Channel Configuration
- Pre- and Post- Alarm Recording up to 60 Seconds (up to 15 Minutes with Optional 512 MB RAM Upgrade)*
- 2 Standard Audio Channels
- Up to 32 Channels of Audio Recording (Optional)
- Live Audio Over the Network
- 8/16/24/32 Alarm Inputs and 8/16/24 Relay Outputs
- Relays On/Off from Camera Tree
- Support for up to Six Monitors (VGA and/or Composite)
- 5 x 5 and 6 x 6 Camera Views at DX8100 Server and Client
- On-Screen PTZ Control with Positioning Device Programming Capability
- User-Definable PTZ Presets, Patterns, and Preset Tours
- User-Friendly and Highly Intuitive Graphical User Interface
- Camera View Favorites
- Instant Playback
- Online Help
- Thumbnail, Pixel (Smart Search), ATM/POS Search Modes
- Search by Date/Time, Timeline, Types of Video
- 10/100/1000 Megabit Ethernet Port
- 6X Digital Zoom on Playback

- Network up to 5 DX8100/DX8000s Servers
- 5 Simultaneous Connections per Server
- Client Connects to as many as 100 Servers
- Network Bandwidth Throttling
- Unlimited Web Clients for Live View Only, in Multicast-Enabled Network
- Includes Unlimited Licenses for Remote PC, Web, and Handheld Client
- Local and Remote Administration, Live, Search, and Playback Viewing
- Scheduled Backup
- Export and Import System Configurations
- Remote Software Upgrade Capabilities
- Multilevel Password and User Configuration
- Automatic Image Watermarking
- Multilingual Support (English, French, German, Italian, Polish, Portuguese, Russian, and Spanish)
- Print Still Images from Video
- Export Video and Still Images in Multiple Formats, Including DX8100 Native, AVI, ASF, BMP, TIFF, and JPEG
- Simultaneously Export Multiple Cameras
- Standard DVD-R Burner Writes to CD-R and DVD-R Media
- DX8100 Viewer Included with Video Exports
- API for Development and Integration of Third-Party Applications and XPort
- External Storage RAID 5 Option
- NTP Time Server Compatible
- KBD300A Keyboard Support for Camera Selection and PTZ Control

*Pre-alarm time estimate based on 16-channel recording at a resolution of 320 x 240 (CIF) and a frame rate of 5 ips.

TECHNICAL SPECIFICATIONS

ELECTRICAL/VIDEO

Input Voltage	100 to 240 VAC \pm 10%, 50/60 Hz, autoranging*
Power Consumption	Maximum 350 W
Signal System	NTSC/PAL
Operating System	Windows XP Embedded only
Recording Resolutions	NTSC PAL 320 x 240 320 x 288 640 x 240 640 x 288 640 x 480 640 x 576 352 x 240 352 x 288 704 x 240 704 x 288 704 x 480 704 x 576
Compression	Pelco engineered
Video Inputs	8/16/24/32 (looping with automatic termination)
VGA Outputs	1
Dual Display Card	1 switch-selectable VGA (DB15) or analog (BNC) output
Analog Video Outputs	1 with DX8108/DX8116; 2 with DX8124/DX8132
Alarm Input Terminals	8/16/24/32 (user selectable, N.O./N.C.)
Relay Output Terminals	8/16/24 (user selectable, N.O./N.C.)
Relay Contact Ratings† Rated (Resistive) Load	0.5 A at 120 VAC or 1 A at 24 VDC
Remote Administration	Full remote control through TCP/IP network

MECHANICAL

Connectors	
BNC	Video inputs and outputs
6-pin mini-DIN	PS/2 mouse and keyboard
DB9	COM 1
DB15	VGA port
RJ-45	10/100/1000 Megabit Ethernet port and RS-485/RS-422 ports
USB	6 high-speed USB 2.0 ports (2 front, 4 back); connect mouse and keyboard
Audio Connectors	Miniature male phone plug for line in, microphone in, and audio output
Optional Audio Connectors	
Audio Decoding	GSM610 Wave Format
Audio Bit Rate	8 Kbps
Audio Levels	
Input	Line-level input
Output	Line-level output
Audio Connectors	Female RCA jacks
Audio Inputs	8 for the 8-channel unit; 16 for the 16-channel unit
Audio Outputs	1

GENERAL

Environmental	
Operating Temperature	50° to 95°F (10° to 35°C)
Relative Humidity	Maximum 80%, noncondensing
Dimensions	
Desktop	19.9" D x 17.0" W x 7.0" H (50.55 x 43.18 x 17.78 cm)
Rack Mount	22.0" D x 19.0" W x 7.0" H (4 RUs) (55.88 x 48.26 x 17.78 cm)

Expansion Unit Dimensions

Desktop	8.19" D x 17.00" W x 1.73" H (20.80 x 43.18 x 4.39 cm)
Rack Mount	8.19" D x 19.00" W x 1.73" H (20.80 x 48.26 x 4.39 cm)

Antivirus Software Supported‡ AVG Anti-Virus Free Edition Version 7.5; Symantec AntiVirus™ Corporate Edition Version 10.1.6; McAfee® VirusScan® Plus with SiteAdvisor™

Minimum and maximum unit and shipping weights are given for each model series.

Unit Weight (Approximate)	Unit	Shipping
DX8108-250	39.8 lb (18.1 kg)	61.0 lb (27.6 kg)
DX8108-3000	44.9 lb (20.4 kg)	67.0 lb (30.4 kg)
DX8116-250	40.3 lb (18.3 kg)	62.0 lb (28.0 kg)
DX8116-3000	45.4 lb (20.6 kg)	67.0 lb (30.4 kg)
DX8124-250	40.8 lb (18.5 kg)	62.0 lb (28.0 kg)
DX8124-3000	45.9 lb (20.8 kg)	68.0 lb (30.8 kg)
DX8132-250	41.3 lb (18.7 kg)	63.0 lb (28.5 kg)
DX8132-3000	46.4 lb (21.1 kg)	68.0 lb (30.8 kg)

CERTIFICATIONS

- CE and FCC, Class A (all DX8124-M, DX8124-MA, DX8132-M, and DX8132-MA models)
- CE and FCC, Class B (all except DX8124-M, DX8124-MA, DX8132-M, and DX8132-MA models)
- UL/cUL Listed

DX8100 SERVER MAXIMUM IPS RECORDING

Model	Format	NTSC IPS		PAL IPS	
		Total	Per Camera	Total	Per Camera
DX8108	CIF	240	30	200	25
	2CIF	120	15	100	12
	4CIF	60	7	50	6
DX8116	CIF	480	30	400	25
	2CIF	240	15	200	12
	4CIF	120	7	100	6
DX8124	CIF	360	15	300	12
	2CIF	180	6	150	6
	4CIF	90	3	75	3
DX8132	CIF	480	15	400	12
	2CIF	240	6	200	6
	4CIF	120	3	100	3

Resolution and frame rate values can be assigned evenly among all cameras or can be configured independently for individual cameras. Frame rate values can also be customized according to recording mode (normal, motion, alarm, and ATM/POS).

NOTICE: Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.

*It is recommended that an uninterruptible power supply (UPS) device with a 700 VA or better rating be used with the DX8100.

†Relays are grounded.

‡Supported on Windows XP Embedded only.

TECHNICAL SPECIFICATIONS

MODEL NUMBERS

Use the following table to create a model number to specify your DX8100. For example, the model number for a 32-channel system with 1000 GB storage and audio input option is DX8132-1000A. Typically, if an audio option is ordered, a 32-channel system comes with a 32-channel audio option.

The model number for a customized system is specified differently. For example, a 32-channel system with 1000 GB storage and an 8-input audio option is stated as follows: DX8132-1000 (32 video channels) and you order the DX8108-AUD option (8 audio inputs) separately. For more information about ordering customized configurations, contact your Pelco sales representative.

DX81XX – XXXXXX		
Channels	Storage (GB)	Options
8	250	A = Audio
16	500	M = MUX
24	750	MA = MUX and Audio
32	1000	
	1500	
	2000	
	2250	
	3000	

Supplied Accessories

Power cords (USA and European), keyboard, mouse, DX8100 recovery disc, remote client application, audio input breakout cables (optional), alarm and relay terminal blocks, and rack mounting kit. (Monitor is not supplied with DX8100 Series DVR.)

Optional Accessories

DX8100-EXP	DX8100 16-channel expansion unit kit; Racks, 1 RU per unit, rack ears and screws are provided
DX8100-ISCI	DX8100 internal Ultra 160 SCSI card*
DX8108-AUD	DX8100 8-channel audio input card
DX8116-AUD	DX8100 16-channel audio input card
DX8100-512RAM	DX8100 memory upgrade from 512 MB to 1 GB
DX8108-MUX	DX8100 8-channel multiplexed analog output display card
DX8116-MUX	DX8100 16-channel multiplexed analog output display card
DX8100HDDI-2250	2.25 TB external RAID 5 storage expansion unit*
DX8100HDDI-4500	4.5 TB external RAID 5 storage expansion unit*
DX8100HDDI-6750	6.75 TB external RAID 5 storage expansion unit*
DX8100HDDI-9000	9 TB external RAID 5 storage expansion unit*
DX81HDD250KIT	DX8100 SATA 250 GB upgrade
DX81HDD500KIT	DX8100 SATA 500 GB upgrade
DX81HDD750KIT	DX8100 SATA 750 GB upgrade
KBD300A	KBD300A Universal keyboard (requires KBDKIT/KBOKIT-X)
KBOKIT/KBOKIT-X	Remote keyboard wiring kit



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www.pelco.com

Regcom	AVE® RS-485 network system unit†
Hydra	AVE RS-485 network system control unit†
VSI-PRO	AVE Video serial interface for ATM/POS†
DX8100DSP-W2K	Dual Display Card and version 1.2 software upgrade for Windows 2000
DX8100DSP-XP	Dual Display Card and version 1.2 software upgrade for Windows XP Embedded
DX81SWV12W2K	Software only upgrade for DX8100 Windows 2000
DX81SWV12XP	Software only upgrade for DX8100 Windows XP Embedded

CLIENT APPLICATIONS

- Remote client
- Web client
- DX8100 viewer
- Windows Media® Player (not included)

Recommended PC Requirements

Processor	Intel® Pentium® 4 with 2800 MHz minimum processor speed
Memory	256 MB RAM
Video	AGP or PCI-e VGA card with minimum 64 MB video RAM (nonshared memory), 1024 x 768 or 1280 x 1024 display resolution, and DirectX® 8.1 application programming interface.
Monitor	SVGA or XGA with 1024 x 768 or 1280 x 1024 resolution
Operating System	Windows 2000 (SP4) or Windows XP Professional DirectX 8.1 or later Microsoft® Internet Explorer® 5.5 or later 500 MB free disk space
Mobile PDA Client Application	A Pocket PC with Microsoft PPC 2002 or higher, Intel XScale® CPU with minimum 64 MB of memory

THIRD-PARTY DOME SUPPORT

The DX8100 Series is compatible with the third-party domes listed below. Consult the factory for information on additional dome compatibility.‡

Manufacturer	Model
GE™ (Kalatel)	CyberDome™ Day/Night
LG®	LPT-SD163HM
Panasonic®	WV-CW864
Samsung™	SCC-641
American Dynamics™ (Sensormatic®)	SpeedDome® Ultra VII
Philips® CSI	AutoDome® Day/Night
Baxall™	BPD1-RAS916

*Not for use with DX8124 or DX8132 models.

†One Regcom unit is required for each ATM/POS device; one Hydra unit is required for each DX8100 serial connection used. One to four serial ports may be used. Support is limited to 16 total ATM/POS devices. Hydra and Regcom and required cabling are available from American Video Equipment (AVE).

‡The VSI-PRO and required cabling is available from AVE.

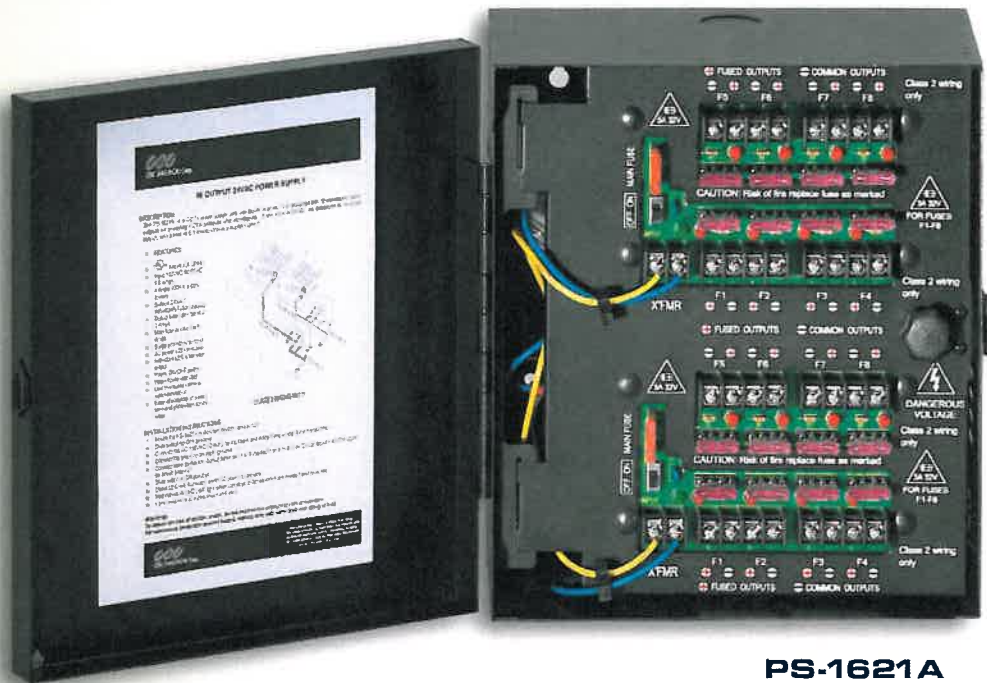
§This list is subject to change. Please check with Pelco Product Support.

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PS Series

24 VAC INDOOR MASTER POWER SUPPLIES



PS-1621A
16 Output 200vA
Model Shown

FEATURES

PS Series power supplies offer an installer-friendly solution for powering 4-, 8-, or 16-camera CCTV systems. The power supplies have an input of 115 VAC. They are UL listed and housed in a metal enclosure.

- Outputs for 4, 8, or 16 Cameras (4-8 Amps supply current)
- Individually-fused 24VAC outputs
- Surge-protected outputs
- AC Power LED indicator with Power On/Off switch
- Units maintain camera synchronization
- Individual LEDs for each output
- Easy-to-find, automotive-style fuses
- Enclosure dimensions: 9.96" x 8.66" x 4.53" (HxWxD)

MODELS

PS-411A	4 Output	100 vA
PS-811A	8 Output	100 vA
PS-821A	8 Output	175 vA
PS-1621A	16 Output	200 vA



POWER SUPPLIES



CBC (AMERICA) Corp.

CS-PS0405

NEW YORK: 55 MALL DRIVE • COMMACK, NY 11725
TEL: 1 (800) 422-6707 • (631) 864-9700 • FAX: (631) 543-5426
CALIFORNIA: 20521 EARL STREET • TORRANCE, CA 90503
TEL: 1 (800) 888-0131 • (310) 793-1500 • FAX: (310) 793-1506
www.cbcamerica.com



Acer® V193W

Move up to a wide-screen LCD, with or without integrated speakers, for greater productivity and viewing enjoyment.

- [Acer Store](#)
- [PermaLink](#)
- [Pricing & Upgrades](#)

∴ Configurations

- [Version b](#)
- [Version bm](#)
- [Version bd](#)

19" wide-screen TFT LCD, 1440 x 900 resolution, 2000:1 dynamic contrast ratio, 160°/160° horizontal/vertical viewing angles, VGA connector, 300 cd/m² brightness, 5ms response time, black color
Part NumberET.CV3WP.002 [Where to Buy](#)

Size/Type	• 19" wide-screen TFT LCD
Panel Technology	• TN (twisted nematic)
Maximum Resolution	• 1440 x 900
Maximum Refresh Rate	• 75Hz
Horizontal Frequency	• 30KHz - 80KHz
Vertical Frequency	• 55Hz - 75Hz
Dynamic Contrast Ratio	• 2000:1
Horizontal Viewing Angle	• 160°
Vertical Viewing Angle	• 160°
Brightness	• 300 cd/m ²
Response Time	• 5ms
Pixel Pitch	• Version b, Version bm: 0.284mm Version bd: 0.283mm
Pixel Error Standard	• B/D : 3 D/D : 4 Total : 5
Maximum Colors Supported	• 16.7 million
Color Saturation	• 72% NTSC
Bit	• Six + HiFRC (high frame rate control)
Acer® CrystalBrite Technology	• No • Version b, Version bm: VGA

Signal Connectors	Version bd: VGA, DVI (HDCP)
Power Supply	<ul style="list-style-type: none">• 100V - 240V
AC Adapter	<ul style="list-style-type: none">• Internal
Power Consumption	<ul style="list-style-type: none">• Version b, Version bm: On: < 37W Off: < 1W Standby: < 2W
Audio	<ul style="list-style-type: none">• Version bd: On: 36.9W Off: 0.82W Standby: 0.95W• Version bm: two integrated 1.0W speakers
Mechanical Adjustments	<ul style="list-style-type: none">• Version b, Version bm: Tilt: No Swivel: No Pivot: No Height adjustment: No Detachable foot stand: No
Kensington® Lock	<ul style="list-style-type: none">• Version bd: Tilt: -5° ~ 15° Swivel: No Pivot: No Height adjustment: No Detachable foot stand: Yes
VESA Wall Mount	<ul style="list-style-type: none">• Supported
Dimensions & Weight	<ul style="list-style-type: none">• Supported• 17.4" (441.8mm) W x 6.4" (161.5mm) D x 14.2" (360.1mm) H 10.6 lb. (4.8 kg)
Compliance	<ul style="list-style-type: none">• Energy Star® TCO'03
Chassis Color	<ul style="list-style-type: none">• Black
Limited Warranty*	<ul style="list-style-type: none">• Three-year parts and labor limited warranty* <p>*For a free copy of the standard limited warranty end-users should see a reseller where Acer products are sold or write to Acer America Corporation, Warranty Department, P.O. Box 6137, Temple, TX 76503.</p> <ul style="list-style-type: none">• Specifications are subject to change without notice.